

Title (en)  
ARRANGEMENT WITH A CONTACT ELEMENT

Title (de)  
ANORDNUNG MIT EINEM KONTAKTELEMENT

Title (fr)  
ENSEMBLE COMPRENANT UN ELEMENT DE CONTACT

Publication  
**EP 1700516 B1 20070801 (DE)**

Application  
**EP 05729084 A 20050326**

Priority  
• EP 2005003203 W 20050326  
• DE 202004005963 U 20040408

Abstract (en)  
[origin: US2007232096A1] A circuit board ( 20 ) is equipped with at least one conductor path ( 22 ) and a contact element ( 44 ). The latter is adapted to mechanically engage and electrically contact an electrical conductor ( 66 ). In the region of a conductor path ( 22 ), the circuit board ( 20 ) has passthrough orifices ( 24, 26, 28, 30, 32 ). The contact element ( 44 ) has a base part ( 46 ) and feet ( 34, 36, 38, 40, 42 ) which press-fit into the orifices ( 24 to 32 ) of the circuit board ( 20 ). The contact element ( 44 ) has a contact tongue ( 54 ) that is resiliently articulated on the base part ( 46 ) and clamps the electrical conductor ( 66 ). This makes possible a secure connection from the electrical conductor ( 66 ) to the circuit board ( 20 ), e.g. for connecting a device having a large current demand.

IPC 8 full level  
**H05K 3/36** (2006.01); **H01R 12/08** (2006.01); **H01R 12/58** (2011.01)

CPC (source: EP US)  
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